

Date: Tue, 19 Jul 94 17:08:44 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #813
To: Info-Hams

Info-Hams Digest Tue, 19 Jul 94 Volume 94 : Issue 813

Today's Topics:

 2M Repeater Database
Bicycle generates noise on 20 meters
 CD input on car radio & handheld
 Elmers, please read
FCC delays - I contacted my senator
 FCC Delays now at 17 week
 FCC Delays now at 17 weeks!
FCC must be doing "burst" mailing of ham tickets...
 Hamfest, How to?
 Ham store(s) in Denver
 Help wanted
 Icom 211
 Jupiter Radio Pulses
 License Recieved!!
 License time datapoint
 mailing list
Postal/ZIP Codes to Grids ????
Reforming electrolytic caps
 SAREX Update/Keps 7/19
 Tech Plus?
 Why isn't IONCAP free?...

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 19 Jul 1994 17:28:37 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!newsserver.jvnc.net!

netnews.upenn.edu!netnews.upenn.edu!yee@network.ucsd.edu
Subject: 2M Repeater Database
To: info-hams@ucsd.edu

>Does anybody know if a database for 2M repeaters in North America
>exists?

Version 0.10 of the

Universal and Free List of Repeaters for Radio Amateurs

is available as mipg.upenn.edu:/pub/yee/rptr010.Z

Unfortunately, the larger version 0.03 can no longer be distributed.
I am hoping to get out 0.11 sometime next month.

--

Medical Image Processing Group		73 de Conway Yee, N2JWQ
411 Blockley Hall		EMAIL : yee@mipg.upenn.edu
423 Guardian Drive		TELEPHONE : 1 (215) 662-6780
Philadelphia, PA 19104-6021 (USA)		FAX : 1 (215) 898-9145

Date: Tue, 19 Jul 1994 14:09:55 GMT
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!csusac!
csus.edu!netcom.com!lfloyd@network.ucsd.edu
Subject: Bicycle generates noise on 20 meters
To: info-hams@ucsd.edu

Wayne_Estes (Wayne_Estes@csg.mot.com) wrote:

<snip>

: 1. The tires create static charges while rolling on the pavement.
: 2. The hubs create static charges as metal parts rub against each other.

<snip>

: Does anyone out there in internet-land have any ideas as to the cause and
: possible cures to this problem?

Wayne,

I suspect #1 as well. In the winter I "ride" my bike on a trainer that has
the fork attached and the rear wheel spins on a metal cylinder. Often I
wear headphones to listen to the stereo over the noise of the trainer.
Lo and behold, my ears would get shocked from static arcing from the
headphones. I bet you are experiencing a similar same problem.

I just grounded my trainer/bike and the problem went away. Not sure how

you could do that while riding!

73

--

L. Floyd
lfloyd@netcom.com
72421.3200@compuserve.com

Date: Tue, 19 Jul 1994 10:13:28 GMT
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!channel.ecst.csuchico.edu!csusac!
csus.edu!netcom.com!tcj@network.ucsd.edu
Subject: CD input on car radio & handheld
To: info-hams@ucsd.edu

Steven Adams (sadams@eis.calstate.edu) writes:

> I have noticed that many car radios now have an input on the
> face for CD. Any chance I could interface my handheld to plug
> into that input?

Yes, and it works quite nicely. The CD player in my XYL's car has a "Walkman jack" (you guessed it -- it's a Sony!) into which I patch an HT when we go on trips.

I've installed a trunk-lip antenna mount, some velcro straps on the underside of the trunk lid to keep the coax stowed neatly when it's not in use, and a length of PVC with rubber plugs (also secured to a trunk wall with velcro) in which to stow the antenna element. With an 1/8" phone plug patch cord and a cigarette lighter power cable stored in the glove box, all I have to add is an HT and operating from her car is almost as easy as it is from the mobile rig in my car. Set-up time is about two minues (of course the fold-down rear seats in Madzas that provide easy access to the truck compartment from inside the car significantly simplifies set-up.)

KB6JXT, Todd

Date: Tue, 19 Jul 1994 14:20:49 GMT
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!channel.ecst.csuchico.edu!csusac!
csus.edu!netcom.com!greg@network.ucsd.edu
Subject: Elmers, please read
To: info-hams@ucsd.edu

A few hours on the Novice bands the other evening convinced me that we're neglecting a critical area of training, and that is the area of sending intelligible CW. Not pretty, or perfect, mind you, but intelligible. I heard (but didn't answer) a number of CQ's where the 'CQ' sounded like N N M A, and the callsign absolutely couldn't be parsed. And felt bad about the poor frustrated newcomer on the other end who probably had no clue as to why his calls weren't being answered.

It was with some relief, when I got my PK232, that I found that my own straight-key sending could still be read by machine. I'd suggest that Elmers who have a multi-mode at their disposal hook their proteges up to it in local mode (pretty easy, the manual tells how), and have them send until the controller can read their sending. If the controller can read it (it can't read many perfectly readable fists), it is approaching textbook. By the way, don't sweat the spacing. These darn things can't be convinced to read/send the letters at 20 WPM, and open out the spaces to knock it down to whatever.

This is a hard problem. How do you tell someone that you can't read his fist, when you can't read his fist?

Greg

Date: 19 Jul 1994 19:40:36 GMT
From: noc.near.net!hopscotch.ksr.com!jfw@uunet.uu.net
Subject: FCC delays - I contacted my senator
To: info-hams@ucsd.edu

wilen@VNET.IBM.COM writes:

>So, try writing to your senator or congressperson. It might
>help your case, and it might help everyone waiting for a new
>license. Believe it or not, the FCC might even appreciate
>your action, since they could get allocated more persons
>to do license processing.

It seems much more likely that the FCC isn't going to see one dime of budget increase unless you tell your senator or representative that you are willing to have more of your taxes given to the FCC to get licenses processed faster, in which case calling your senator or representative just wastes the time of the person who has to answer the phone and then go digging through the pile looking for YOUR application, all at the expense of everyone who forgot to have their senator or representative make a bad situation worse.

And people wonder how the government got the way it is.

Date: 18 Jul 1994 19:46:23 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!darwin.sura.net!
blackhole.delmarva.com!blackhole.delmarva.com!news@network.ucsd.edu
Subject: FCC Delays now at 17 week
To: info-hams@ucsd.edu

Received my Tech ticket today - test date was 4/12/94. (And bought a new HT!)

```
+-----+
| John K. Scoggin, Jr.      Email: scoggin@delmarva.com  |
| Supervisor, Network Operations      scoggin@ee.udel.edu  |
| Delmarva Power & Light Company      Phone: (302) 451-5200  |
| 500 N. Wakefield Drive      NOC: (800) 388-7076  |
| Newark, DE 19714-6066      Fax: (302) 451-5321  |
|                               Ham: N3SK0  |
| The opinions expressed are not those of Delmarva Power, simply the |
| product of an over-active imagination...  |
| Just a pothole-patcher on the Information Superhighway.  |
+-----+
```

Date: 19 Jul 1994 19:51:56 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!vixen.cso.uiuc.edu!
newsrelay.iastate.edu!news.iastate.edu!kenman@network.ucsd.edu
Subject: FCC Delays now at 17 weeks!
To: info-hams@ucsd.edu

In article <9407181321.AA00954@tix.timeplex.com> taylor@tix.timeplex.COM (Seth Taylor) writes:

>It would be nice if all these people whinning about the FCC delays would
>remember that we are just seeing the results of the prior Years under
>the Bush administration.

And Boy, just what was President Bush thinking about when he let the solar
flux decline to nothing! :0

--

Ken Anderson NOZEM PH: 515.294.8996 Kenman@iastate.edu
126 Soil Tilt Bldg. NOZEM@KIQQ.#CIA.IA.USA.NA
Iowa State University, Ames, Iowa 50011

Date: 19 Jul 1994 19:25:07 GMT
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!convex!news.duke.edu!duke.edu!
jbs@network.ucsd.edu
Subject: FCC must be doing "burst" mailing of ham tickets...
To: info-hams@ucsd.edu

In article <3415@mtigate.mti.com> hunley@mti.com (John Hunley) writes:
>|>
>|> Total Time: 13 Weeks, 4 Days.
>
>Total Time: 14 Weeks, 4 Days.

I have in the past few days talked to about half a dozen new hams who
got their tickets in the past four or five days. Waiting periods ranged
from 9 to over 17 weeks. The FCC must have flushed a big buffer...

-joe

--

"When personal freedom's being abused, you have to move to limit it."

- U.S. President Bill Clinton, 1994

Date: Mon, 18 Jul 1994 22:02:21
From: ftpbox!mothost!mdisea!uw-coco!nwnexus!olympus.net!olympus.net!
vaughnwt@uunet.uu.net
Subject: Hamfest, How to?
To: info-hams@ucsd.edu

I have an idea that our area needs a hamfest as the nearest one is over 70
miles away. This area hasn't ever had a Hamfest. I have 12 people who will
help in the planning stages. But I would like to get all the information
possible before I start. Subjects like, Problems, activities etc. All input is
appreciated.

William Vaughn vaughnwt@olympus.net "Just plain Bill."

Date: Tue, 19 Jul 94 15:26:02 CDT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!

usenet@network.ucsd.edu
Subject: Ham store(s) in Denver
To: info-hams@ucsd.edu

I will be in Denver in the near future and was wondering if there are any ham equipment stores there, either in the downtown area or relatively close.

Thanks!

-Steve-
N9XDC

Date: 19 Jul 1994 17:33:39 GMT
From: lll-winken.llnl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
europa.eng.gtefsd.com!news.umbc.edu!eff!news.kei.com!news.byu.edu!
hamblin.math.byu.edu!usenet@ames.arpa
Subject: Help wanted
To: info-hams@ucsd.edu

I am thinking buying dual band 2m/440 rubber antenna together w/ tempo window mount antenna holder?(so that I can use my hand held on my moving truck).

Anyhow, does anyone have recomendation of which one to buy or not to buy and where to buy...

thnx
tatsuya

Date: Tue, 19 Jul 1994 20:12:59 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!spool.mu.edu!
cass.ma02.bull.com!claudel!zds-oem!news@network.ucsd.edu (Reid Simmons -
r.simmons@zds.com)
Subject: Icom 211
To: info-hams@ucsd.edu

Who was it that was looking for a "spare" Icom 211 for parts.
I lost the original message.

Date: Tue, 19 Jul 1994 10:29:13 GMT
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!csusac!
csus.edu!netcom.com!tcj@network.ucsd.edu

Subject: Jupiter Radio Pulses
To: info-hams@ucsd.edu

Jeffrey Herman (jeffrey@kahuna.tmc.edu) writes:

> From: Reuters News
> Subject: Jupiter Radio Pulse Increases before Collisions
>
> Japanese astronomers have detected a 10-fold increase in radio
> pulse emissions from the giant planet.

This sounds like it might be interesting to monitor. Does anyone know where Jupiter "operates" and if he can be copied by a typical ham station?

KB6JXT, Todd

Date: 19 Jul 94 18:53:58 GMT
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!csulb.edu!paris.ics.uci.edu!
news.claremont.edu!mtigate!mti.com!hunley@network.ucsd.edu
Subject: License Recieved!!
To: info-hams@ucsd.edu

In article <1994Jul17.144356.1@ccsua.ctstateu.edu>, bourque_par@ccsua.ctstateu.edu
(Paul Bourque) writes:
|> Took Technician Test: April 10
|> License Issued: July 8
|> License Mailed: July 12
|> Recieved in Mail: July 13.
|>
|> Total Time: 13 Weeks, 4 Days.
|>
|> 73 de N1SFE!!

A friend of mine just got his ticket. He didn't have quite as good
luck:

Took Novice Test: April 8
Received License: July 18
Total Time: 14 Weeks, 4 Days.

He's now KE6IPV, in case you're trying to predict what your call will
be.

Of course, in the meantime he's passed his Tech written, so the whole
process has to start again, but at least he can operate now! His next

goal is to pass his General tests before he receives his Tech-Plus!

--

John Hunley, KN6XZ
Sr. Software Engineer
Micro Technology, Inc.
4905 E. La Palma Ave.
Anaheim, CA 92807

Email: hunley@mti.com
UUCP: mti.com!hunley
Voice: (714) 693-2613
FAX: (714) 970-5924

Date: 19 Jul 1994 19:49:24 GMT
From: ihnp4.ucsd.edu!swrinde!elroy.jpl.nasa.gov!lll-winken.llnl.gov!unixhub!
headwall.Stanford.EDU!CS.Stanford.EDU!msimon@network.ucsd.edu
Subject: License time datapoint
To: info-hams@ucsd.edu

Took the test May 3rd (Sunnyvale VEC test session)
License effective date July 13th
Got it in the mail July 18th

Total time 11 weeks - 1 day.
KE6JAF

Date: 19 Jul 94 21:05:01 GMT
From: news-mail-gateway@ucsd.edu
Subject: mailing list
To: info-hams@ucsd.edu

subscribe info-hams N40YJ

Date: Tue, 19 Jul 1994 10:53:29 GMT
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!csusac!
csus.edu!netcom.com!tcj@network.ucsd.edu
Subject: Postal/ZIP Codes to Grids ????
To: info-hams@ucsd.edu

Robert Carpenter (rc@itchy.ncsl.NIst.GOV) writes:

> I would certainly appreciate any leads that the assembled multitude
> can give me concerning the availability of software/data-base for
> converting postal/ ZIP codes to Maidenhead grid location.

The geographic name server at the University of Michigan will help you convert zip codes to great circle coordinates, which you can then convert to Maidenhead grids. For example:

```
netcom% telnet martini.eecs.umich.edu 3000
```

```
Connected to martini.eecs.umich.edu.
```

```
Escape character is '^['.
```

```
# Geographic Name Server
```

```
# Copyright 1992 Regents of the University of Michigan.
```

```
# Version 8/19/92. Use "help" or "?" for assistance, "info" for hints.
```

```
.
```

```
95060 <--- my zip code
```

```
0 Bonny Doon
```

```
1 06087 Santa Cruz
```

```
2 CA California
```

```
3 US United States
```

```
F 45 Populated place
```

```
Z 95060
```

```
0 Santa Cruz <--- my city
```

```
1 06087 Santa Cruz
```

```
2 CA California
```

```
3 US United States
```

```
R county seat
```

```
F 45 Populated place
```

```
L 36 58 27 N 122 01 47 W <--- my great circle coordinates
```

```
P 41483
```

```
E 17
```

```
Z 95060 95061 95062 95063 95064 95065 95066
```

Hope this helps...

KB6JXT, Todd

```
-----  
Date: Tue, 19 Jul 1994 04:41:11 GMT  
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!csusac!  
csus.edu!netcom.com!slay@network.ucsd.edu  
Subject: Reforming electrolytic caps  
To: info-hams@ucsd.edu
```

I've kept most of the articles in that particular thread; so I'll forward them directly. If anyone else wants info, just send me an e-mail request.

Bottom line: I took a power supply that had not run in years; put it on a variac and brought the voltage up in 10 volt steps - each step was 3-4 hours or so. Then, at the end of a couple two or three days, I plugged in the linear amp and thru the high voltage switch. Voila - it works.

73 de Sandy
WA6BXH/7J1ABV
slay@netcom.com

Date: 19 Jul 94 22:30:41 GMT
From: news-mail-gateway@ucsd.edu
Subject: SAREX Update/Keps 7/19
To: info-hams@ucsd.edu

SB SAREX @ AMSAT \$STS-65.017
SAREX Update/Keps 7/19

Greenbelt, MD July 19, 1994 at 22:30 UTC

The following Apollo-11 information was provided by Bob Inderbitzen, NQ1R, from the ARRL:

SAREX Apollo 11 Special Event

In commemoration of the twenty-fifth anniversary of the Apollo 11 mission, the STS-65 SAREX station on board the Space Shuttle Columbia will be operated as a special event station from 1713 UTC, July 19 until 1343 UTC, July 21. Unscheduled voice contacts will be made when the crew is available.

The SAREX station joins at least 12 other amateur stations associated with the National Aeronautics and Space Administration in commemorating the landing of the Apollo Moon Lander, the Eagle, on the moon's surface in 1969. Contacts made during the event will be eligible for a special commemorative certificate. Please send your report and QSL with a large 9-inch by 12-inch self-addressed stamped-envelope to the ARRL Educational Activities Department, STS-65 Apollo Special Event, 225 Main Street, Newington, CT 06111.

SAREX operates split-frequency. The downlink, or receive frequency for all SAREX activities is 145.55 MHz. Please do not transmit on this frequency. The uplink, or transmit frequencies for voice are 144.91, 144.93, 144.95, 144.97 and 144.99 MHz. In Europe, the voice uplink frequencies are 144.70, 144.75 and 144.80 MHz. The worldwide packet uplink frequency is 144.49 MHz.

Please, transmit only when the Shuttle is in range and on the air. Crew call signs for voice are Commander Robert Cabana, KC5HBV and Mission Specialist Donald Thomas, KC5FVF. The packet call sign is W5RRR-1. W5RRR is the call sign of the Johnson Space Center Amateur Radio Club which supports SAREX flight activities and hardware aboard the space shuttles.

SAREX Packet

The SAREX packet radio has been percolating along. At this point, the packet robot has exceeded the 2000 connect mark.

Shuttle Visual Sightings

Gil Carman, WA5NOM, reports a visual sighting of Columbia over Houston this morning on the 10:10z pass. It didn't come out of shadow until 6 seconds past peak, and went into clouds about 15 seconds later. The next couple of mornings should be better. Also, there should have a very good view of the entry plasma trail Friday morning. The prime deorbit opportunity is still on rev 219, which will land at KSC about 10 minutes after sunrise there, and pass over Houston, over College Station and Huntsville at 10:31 UTC, an hour before local sunrise. That should give a plasma arc across the sky with a peak of about 15 deg as seen from Houston. Keep your eyes peeled!

Keplerian Elements

Gil Carman reports that Element Set GSFC-36A, provided by Ron Parise, WA4SIR, is still within 2 seconds of a current (orbit 174) state vector. This element set will remain the SAREX official set for today. This set is provided below.

STS-65

```
1 23173U 94039A 94199.34554466 0.00083772 00000-0 25331-3 0 366
2 23173 28.4669 295.5576 0003352 54.3064 305.7859 15.91070580 1551
```

Satellite: STS-65

Catalog number: 23173

Epoch time: 94199.34554466 (18 JUL 94 08:17:35.06 UTC)

Element set: GSFC-036a

Inclination: 28.4669 deg

RA of node: 295.5576 deg Space Shuttle Flight STS-65

Eccentricity: 0.0003352 Keplerian Elements

Arg of perigee: 54.3064 deg

Mean anomaly: 305.7859 deg

Mean motion: 15.91070580 rev/day Semi-major Axis: 6677.4181 Km

Decay rate: 8.3772E-04 rev/day*2 Apogee Alt: 301.27 Km

Epoch rev: 155 Perigee Alt: 296.79 Km

Note: This element set is based on NORAD element set # 036. The spacecraft

has been propagated to the next ascending node, and the orbit number has been adjusted to bring it into agreement with the NASA numbering convention.

Submitted by Frank H. Bauer, KA3HDO for the SAREX Working Group
/EX

Date: Tue, 19 Jul 94 08:49:00 -0800
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!usenet.ins.cwru.edu!
ns.mcs.kent.edu!kira.cc.uakron.edu!malgudi.oar.net!infinet!nitelog!
mario.campos@network.ucsd.edu
Subject: Tech Plus?
To: info-hams@ucsd.edu

Subject: Re: Tech Plus?

TM>The only difference is on the license. The no code folks license will
TM>read Technician, while the folks who have cw will read TECH PLUS. Just
TM>wording, you still have the same privs.

The privileges are not the same! Techs (no code) are limited to 30 Mhz and
up - no low bands!

* QMPro 1.52 * mario.campos@nitelog.com - N6ALS@K6LY.#NOCA.CAL.USA.NOAM

Date: Tue, 19 Jul 1994 20:18:15 GMT
From: ihnp4.ucsd.edu!usc!math.ohio-state.edu!howland.reston.ans.net!spool.mu.edu!
news.clark.edu!netnews.nwnet.net!serval.net.wsu.edu!spookey!
kjones@network.ucsd.edu
Subject: Why isn't IONCAP free?...
To: info-hams@ucsd.edu

Probably a stupid question, (i.e. along the lines of "Why do we have to
to pay income tax" etc...) But, I'll ask it anyway:

Why is not the source code etc... for IONCAP available to US citizens
for free, seeing as how their tax dollars went to pay for its
development (see quote below)?

> IONCAP: IONCAP, an acronym for IONospheric Communications
> Analysis and Prediction, was originally written in FORTRAN
> for a mainframe computer by an agency of the US government.
> This program is considered by experienced amateurs and
> professionals alike to be the most comprehensive and best... (stuff deleted)

Other software developed by the US government i.e. the CIA database of rivers, lakes and streams is accessible at no charge. Why not IONCAP?

I know that "Nothing is free" and "Someone always pays" etc... But I guess I was interested if anyone had any further knowledge about how IONCAP was developed and who benefits from its sale.

Thanks for any info...

Kent
kjones@eecs.wsu.edu

Date: Tue, 19 Jul 1994 15:33:14 GMT
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!csusac!
csus.edu!netcom.com!freyder@network.ucsd.edu
To: info-hams@ucsd.edu

References <2vs6gk\$rm9@cville-
srv.wam.umd.edu><1994Jul13.214528.24601@ccd.harris.com>, <408@doghouse.win.net>,
<30bdkn\$p2n@kaiwan.kaiwan.com>≥p
Subject : Re: FCC Delays now at 17 weeks! PLEASE READ!!!

bnovak@kaiwan.com (Robert D. Novak) writes:

>Joe Salemi (jsalemi@doghouse.win.net) wrote:
>:
>: In article <1994Jul13.214528.24601@ccd.harris.com>, Bruce Lifter
(bal@ccd.harris.com) writes:
>: >Scott Richard Rosenfeld (ham@wam.umd.edu) wrote:
>: >
>: >: He also said that the FCC is receiving upwards of 50 calls a DAY! And that
>: >: in the time it takes to receive a phone call, TWO licenses could be proces-
>: >: sed! The backlog is now at 15,000 Form 610s!!!
>: >
>: >They seem to be getting more behind each week!
>: >

>: Well, recent reports on Compuserve have shown that folks who took their
>: tests in mid-April are starting to receive their licenses. That's
>: about 12 weeks, give or take, so maybe the logjam is finally breaking.

Yup. Just got mine in the mail. Dated 7/13/94 rec'd in mail on 7/18/94

Passed Tech no code Test on April 27th.

Rob.

[illegible]
